

Re. Point V

1. The invention relates to a measuring device, especially a temperature measuring transducer, with an electrical resistor, which alters its value depending on a chemical or physical variable. For the claimed measuring device the resistor is connected as a three-wire or four-wire circuit to an evaluation device. A measuring device of this type is known from US-A-5 317 520 (= EP-A-O 521 234).
2. The invention according to claim 1 differs from the invention known from D1 in that the evaluation device is embodied such that, with a line break of one of two lines which are connected on the same side of the resistor, measurement of the resistance value can continue to be conducted without using the first defective line with the other second line, both by the current fed through the resistor being routed via the second line and also by the voltage which is dropping in this case being tapped off with the second line. Since none of the documents cited in the search report has or approaches the totality of the features of claim 1, it is the provisional opinion of the examiner that claim 1, as well as independent claims 2 - 6, meet the requirements for novelty and inventive step (Art. 33(2) and (3) PCT).